

ABSTRACT

A method of manufacturing a tank suitable for storing very cold cryogenic liquids, such as liquefied ethylene (LEG) or natural gas (LNG) or a corresponding medium, the basic form of the tank corresponding to a rectangular prism and being manufactured from aluminium or the like material. The tank is produced at least mainly from prefabricated construction elements of few different types so that plane elements to be used as shell panels of the tank, the elements being produced by mechanically extruding aluminium profile elements or the like, are produced, the elements including a plane part and a stiffening part and which are welded by their plane parts to each other using friction welding. The plane elements produced thus are provided with longitudinal and/or transverse stiffeners being produced by mechanically extruding aluminium profile elements or the like, which are welded to each other by using friction welding. The plane elements having stiffeners produced thus are attached to each other and/or to separately produced edge and/or corner elements into self-supporting volume units having at least four sides.